

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/005751

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B29B9/12 C08J3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B29B C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 063 070 A (SUMIKA COLOR COMPANY LIMITED) 27 December 2000 (2000-12-27) page 3, paragraph 23; figure 1 -----	1,8,9, 16,17,22
A	WO 02/090454 A (HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN; PRIMKE, HARTMUT; PETRY, GERAL) 14 November 2002 (2002-11-14) page 5, paragraph 1 - page 7, paragraph 1 -----	1,8,9
A	WO 95/12631 A (E.I. DU PONT DE NEMOURS AND COMPANY) 11 May 1995 (1995-05-11) page 3, line 5 - line 32 ----- -/--	1,8,9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

14/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Fageot, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/005751

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 168 (M-1391), 31 March 1993 (1993-03-31) & JP 04 327909 A (TOKUYAMA SODA CO LTD), 17 November 1992 (1992-11-17) abstract -----	1,8,9
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10, 30 November 1995 (1995-11-30) & JP 07 171828 A (TERUMO CORP), 11 July 1995 (1995-07-11) abstract -----	1,8,9
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 191 (M-322), 4 September 1984 (1984-09-04) & JP 59 081121 A (TOUYOU SEIKAN KK), 10 May 1984 (1984-05-10) abstract -----	1,8,9
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) & JP 09 057749 A (MATSUSHITA ELECTRIC WORKS LTD), 4 March 1997 (1997-03-04) abstract -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 275351 A (TORAY IND INC), 25 September 2002 (2002-09-25) abstract -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2005/005751

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1063070	A	27-12-2000	JP 2001009833 A	16-01-2001
			EP 1063070 A2	27-12-2000
			US 6669986 B1	30-12-2003
			US 2004131853 A1	08-07-2004
			JP 2001198918 A	24-07-2001
WO 02090454	A	14-11-2002	DE 10122437 A1	28-11-2002
			BR 0210059 A	17-08-2004
			CA 2446919 A1	14-11-2002
			CZ 20033038 A3	14-04-2004
			WO 02090454 A1	14-11-2002
			EP 1397455 A1	17-03-2004
			JP 2004531610 T	14-10-2004
			PL 363680 A1	29-11-2004
			US 2004143034 A1	22-07-2004
WO 9512631	A	11-05-1995	AU 1046095 A	23-05-1995
			WO 9512631 A1	11-05-1995
			US 5700412 A	23-12-1997
JP 04327909	A	17-11-1992	NONE	
JP 07171828	A	11-07-1995	NONE	
JP 59081121	A	10-05-1984	JP 1424244 C	15-02-1988
			JP 62033051 B	18-07-1987
JP 09057749	A	04-03-1997	JP 3152119 B2	03-04-2001
JP 2002275351	A	25-09-2002	NONE	